

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S93	1664	(382/162,167;345/1.1,1.3,589,590;348/383;358/518,519.ccls.) and @pd>="20040801"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 13:52
S5	4167	382/162,167;345/1.1,1.3,589,590;348/383;358/518,519.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 13:49
S92	60	(calibrat\$3 correct\$3 match\$3 adjust\$3) with ((colo\$1r adj1 wheel) with (luminance time))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 11:33
S91	122	(calibrat\$3 correct\$3 match\$3 adjust\$3) same ((colo\$1r adj1 wheel) with (luminance time))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 11:33
S82	14	(project\$3 with (calibrat\$3 correct\$3 match\$3 adjust\$3)) same ((colo\$1r adj1 wheel) with time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 11:32
S90	4	S89 same luminance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 11:19
S89	121	((DLP (digital adj1 light adj1 process\$3)) with (calibrat\$3 correct\$3 match\$3 adjust\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 11:19
S88	3	((DLP (digital adj1 light adj1 process\$3)) with (calibrat\$3 correct\$3 match\$3 adjust\$3)) same ((colo\$1r adj1 wheel))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 11:18
S87	0	((DLP (digital adj1 light adj1 process\$3)) with (calibrat\$3 correct\$3 match\$3 adjust\$3)) same ((colo\$1r adj1 wheel) with luminance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 11:18

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S85	5	(project\$3 with (calibrat\$3 correct\$3 match\$3 adjust\$3)) same ((colo\$1r adj1 wheel) with luminance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 11:17
S86	6	(project\$3 with (calibrat\$3 correct\$3 match\$3 adjust\$3)) same (relative adj1 luminance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 11:15
S84	20	(project\$3 and (calibrat\$3 correct\$3 match\$3 adjust\$3) and (gamut profile) and luminance). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 10:57
S83	1	(project\$3 same (calibrat\$3 correct\$3 match\$3 adjust\$3) same (gamut profile) same luminance). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 10:57
S80	0	(project\$3 with (calibrat\$3 correct\$3)) same ((colo\$1r adj1 wheel) with (light adj1 time))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 10:52
S81	18	((colo\$1r adj1 wheel) with (light adj1 time))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 10:48
S79	27	S75 and @ad<="20000831"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 18:04
S78	7	S77 and @ad<="20000831"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 18:04
S77	15	(determin\$5 comput\$3 calculat\$3 deriv\$5 obtain\$3) with ((device printer monitor) with ((common joint) near3 gamut))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 17:58
S76	8	(determin\$5 comput\$3 calculat\$3 deriv\$5) with ((device printer monitor) with ((common joint) near3 gamut))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/15 17:58



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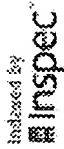
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IEEE JNL	IEEE Journal or Magazine
IEEE JNL	IEEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEEE CNF	IEEE Conference Proceeding
IEEE STD	IEEE Standard

☐ 1. Design of the dichroic filters for LCD projection systems

Jee-Hong Kim;  
Consumer Electronics, IEEE Transactions on  
Volume 44, Issue 2, May 1998 Page(s):297 - 302  
Digital Object Identifier 10.1109/30.681941  
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1. Smarter presentations: exploiting homography in camera-projector systems

Sukthankar, R.; Stockton, R.G.; Mullin, M.D.;  
[Computer Vision, 2001. ICCV 2001. Proceedings. Eighth IEEE International Conference on](#)  
[Volume 1, 7-14 July 2001 Page\(s\):247 - 253 vol.1](#)  
[Digital Object Identifier 10.1109/ICCV.2001.937525](#)  
[AbstractPlus | Full Text: PDF\(988 KB\) IEEE CNF](#)  
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2. Properties of the projective mapping of cameras and projectors

Labuz, J.;  
[Southeastcon '89. Proceedings. 'Energy and Information Technologies in the Southeast', IEEE](#)  
[9-12 April 1989 Page\(s\):477 - 481 vol.2](#)  
[Digital Object Identifier 10.1109/SECON.1989.132424](#)  
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3. Development of quantitative imaging methods for the GE Hawkeye CT/SPECT system

Wong, K.H.; Tang, H.R.; Segall, G.; Hasegawa, B.H.;  
[Nuclear Science Symposium Conference Record, 2001 IEEE](#)  
[Volume 4, 4-10 Nov. 2001 Page\(s\):2170 - 2173](#)  
[Digital Object Identifier 10.1109/NSSMIC.2001.1009253](#)  
[AbstractPlus | Full Text: PDF\(213 KB\) IEEE CNF](#)  
[Rights and Permissions](#)

- ☐ 4. **Self-calibrating camera-projector systems for interactive displays and presentations**  
 Sukthankar, R.; Tat-Jen Cham; Sukthankar, G.; Rehg, J.; Hsu, D.; Leung, T.;  
Computer Vision, 2001. ICCV 2001. Proceedings. Eighth IEEE International Conference on  
Volume 2, 7-14 July 2001 Page(s):748 - 748  
AbstractPlus | Full Text: [PDF\(104 KB\)](#) IEEE CNF  
Rights and Permissions
- ☐ 5. **Calibration-free approach to 3D reconstruction using light stripe projections on a cube frame**  
 Chang Woo Chu; Sungjoo Hwang; Soon Ki Jung;  
3-D Digital Imaging and Modeling, 2001. Proceedings. Third International Conference on  
28 May-1 June 2001 Page(s):13 - 19  
Digital Object Identifier 10.1109/IM.2001.924385  
AbstractPlus | Full Text: [PDF\(460 KB\)](#) IEEE CNF  
Rights and Permissions
- ☐ 6. **PixelFlex: a reconfigurable multi-projector display system**  
 Ruigang Yang; Golz, D.; Hensley, J.; Towles, H.; Brown, M.S.;  
Visualization, 2001. VIS '01. Proceedings  
21-26 Oct. 2001 Page(s):167 - 554  
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- ☐ 7. **Multi-projector displays using camera-based registration**  
 Raskar, R.; Brown, M.S.; Ruigang Yang; Wei-Chao Chen; Welch, G.; Towles, H.; Scales, B.;  
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24-29 Oct. 1999 Page(s):161 - 522  
Digital Object Identifier 10.1109/VISUAL.1999.809883  
AbstractPlus | Full Text: [PDF\(952 KB\)](#) IEEE CNF  
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- ☐ 8. **3D optical whole-field range sensor: development of procedures for the automatic set-up of the measurement and the calibration of the system**  
 Sensori, G.;  
Instrumentation and Measurement Technology Conference, 1999. IMTC/99. Proceedings of the  
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Volume 2, 24-26 May 1999 Page(s):1154 - 1159 vol.2  
Digital Object Identifier 10.1109/IMTC.1999.777038  
AbstractPlus | Full Text: [PDF\(552 KB\)](#) IEEE CNF  
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- ☐ 9. **Acoustic testing dockside and at sea of the last American SASS**  
 Gauthier, E.; Peterson, T.; Marino, A.;  
OCEANS '97. MTS/IEEE Conference Proceedings  
Volume 2, 6-9 Oct. 1997 Page(s):1347 - 1352 vol.2  
Digital Object Identifier 10.1109/OCEANS.1997.624191

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☐ 10. **In-situ far-field calibration of multibeam sonar arrays for precise backscatter imagery**

Fusillo, L.; de Moustier, C.; Satriano, J.H.; Zietz, S.;  
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 23-26 Sept. 1996 Page(s):  
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[AbstractPlus](#) | Full Text: [PDF\(284 KB\)](#) [IEEE CNF](#)  
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Galloway, J.L.;  
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 18-21 Oct. 1993 Page(s):III/415 - III/419 vol.3  
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[AbstractPlus](#) | Full Text: [PDF\(340 KB\)](#) [IEEE CNF](#)  
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☐ 12. **A genetic algorithm approach to camera calibration in 3D machine vision**

Roberts, M.; Nafel, A.J.;  
 Genetic Algorithms in Image Processing and Vision, IEE Colloquium on  
 1994 Page(s):12/1 - 12/5  
[AbstractPlus](#) | Full Text: [PDF\(328 KB\)](#) [IEEE CNF](#)

☐ 13. **Calibration and performance evaluation of a 3-D imaging sensor based on the projection of structured light**

Sansoni, G.; Carocci, M.; Rodella, R.;  
 Instrumentation and Measurement. IEEE Transactions on  
 Volume 49, Issue 3, June 2000 Page(s):628 - 636  
 Digital Object Identifier 10.1109/19.850406  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(280 KB\)](#) [IEEE JNL](#)  
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### 1 [Color gamut matching for tiled display walls](#)

Grant Wallace, Han Chen, Kai Li

**May 2003 [Proceedings of the workshop on Virtual environments 2003 EGVE '03](#)**

**Publisher:** ACM Press

Full text available: [pdf\(678.72 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents a non-parametric full-gamut color matching algorithm. Color matching is important for the seamless appearance of tiled displays. In particular we address the case where the tiled display is composed of different types of projectors or DLP projectors with white enhancement. White enhancement produces a non-additive color space that is difficult to model. We perform our calibration using an inexpensive colorimeter as opposed to a highly accurate spectroradiometer. Our results s ...

### 2 [HDR and perception: High dynamic range display systems](#)

Helge Seetzen, Wolfgang Heidrich, Wolfgang Stuerzlinger, Greg Ward, Lorne Whitehead, Matthew Trentacoste, Abhijeet Ghosh, Andrejs Vorozcovs

### August 2004 **ACM Transactions on Graphics (TOG)**, Volume 23 Issue 3 **Publisher:** ACM Press


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The dynamic range of many real-world environments exceeds the capabilities of current display technology by several orders of magnitude. In this paper we discuss the design of two different display systems that are capable of displaying images with a dynamic range much more similar to that encountered in the real world. The first display system is based on a combination of an LCD panel and a DLP projector, and can be built from off-the-shelf components. While this design is feasible in a lab set ...

**Keywords:** Hardware -- Framebuffer Algorithms, Hardware -- Novel Display Technologies, Image and Video Processing -- Image Processing, Methods and Application -- Signal Processing, Rendering -- Perceptually Based Rendering

### 3 [Projectors: advanced graphics and vision techniques](#)

 Ramesh Raskar

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**  
**Publisher:** ACM Press

Full text available:  [pdf\(6.53 MB\)](#)

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### 4 [Achieving color uniformity across multi-projector displays](#)

Aditi Majumder, Zhu He, Herman Towles, Greg Welch

October 2000 **Proceedings of the conference on Visualization '00**

**Publisher:** IEEE Computer Society Press

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Jens Guehring

Proc. SPIE **4309**, 220 (2000) **Full Text:** [ PDF (2925 kB) ] (12 pages)

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 Alan Irwin, Jim Oleson, and Richard M. Robinson  
 Proc. SPIE **4030**, 77 (2000) **Full Text:** [ PDF (1698 kB) ] (7 pages)
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 Alan Irwin, Jim Oleson, and Richard M. Robinson  
 Proc. SPIE **4027**, 271 (2000) **Full Text:** [ PDF (1576 kB) ] (7 pages)
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7. ☐ **Infrared scene projector characterization and sparse array nonuniformity correction (NUC)**  
 Kenneth R. Allred, Jr., Mark A. Manzardo, David R. Anderson, Kenneth G. LeSueur, and Eddie Burroughs, Jr.  
 Proc. SPIE **3697**, 391 (1999) **Full Text:** [ PDF (4273 kB) ] (12 pages)
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8. ☐ **Radiometric calibration procedures for a wideband infrared scene projector (WISP)**  
 David S. Flynn, Steven A. Marlow, Thomas P. Bergin, and James R. Kircher  
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9. ☐ **Photogrammetric calibration and accuracy evaluation of a cross-pattern stripe projector**  
 Claus Brenner, Jan Boehm, and Jens Guehring  
 Proc. SPIE **3641**, 164 (1998) **Full Text:** [ PDF (910 kB) ] (9 pages)
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 Lawrence E. Jones, Jason S. Coker, Dennis L. Garbo, Eric M. Olson, Robert Lee Murrer, Jr., Thomas P. Bergin, George C. Goldsmith II, Dennis R. Crow, Andrew W. Guertin, Michael Dougherty, Thomas M. Marler, and Virgil G. Timms  
 Proc. SPIE **3368**, 202 (1998) **Full Text:** [ PDF (5536 kB) ] (14 pages)
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11. ☐ **Analysis and implications of resistive emitter array non-uniformity correction (NUC) between sensors with different spectral bands**  
 Clay J. Stanek, Douglas K. Moore, and Ronald G. Driggers  
 Proc. SPIE **3368**, 138 (1998) **Full Text:** [ PDF (857 kB) ] (19 pages)
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12. ☐ **Calibration and nonuniformity correction of MICOM's diode-laser-based infrared scene projector**  
 D. Brett Beasley, John B. Cooper, Daniel A. Saylor, and James A. Buford, Jr.  
 Proc. SPIE **3084**, 91 (1997) **Full Text:** [ PDF (857 kB) ] (11 pages)

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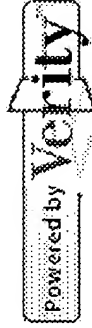
13. ☐

**Three-dimensional surface capture for body measurement using projected sinusoidal patterns**  
Michelle H. Demers, Jeffery D. Hurley, Richard C. Wulpern, and John R. Grindon  
Proc. SPIE **3023**, 13 (1997) **Full Text:** [ PDF (926 kB) ] (13 pages)

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**Optimization of measurement process variables used in radiance uniformity calibration of the emitter source for the wideband infrared scene projector (WISP)**  
Charles L. Malone and David S. Flynn  
Proc. SPIE **2469**, 118 (1995) **Full Text:** [ PDF (890 kB) ] (14 pages)



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